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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/971,929	10/09/2001	Naoyuki Takano	2185-0577P	2971
7590 10/30/2006			EXAMINER	
BIRCH, STEWART, KOLASCH & BIRCH, LLP P.O. Box 747 Falls Church, VA 22040-0747			GUDIBANDE, SATYANARAYAN R	
			ART UNIT	PAPER NUMBER
			1654	
			DATE MAILED: 10/30/200	6

Please find below and/or attached an Office communication concerning this application or proceeding.

Examiner Satyanarayana R. Gudibande ars on the cover sheet with the c S SET TO EXPIRE 3 MONTH(TE OF THIS COMMUNICATION a). In no event, however, may a reply be time apply and will expire SIX (6) MONTHS from the stee of this communication, even if timely filed	S) OR THIRTY (30) DAYS, I. lely filed					
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tember. 2006.						
This action is FINAL . 2b)⊠ This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
4) Claim(s) 1-18 is/are pending in the application.						
4a) Of the above claim(s) <u>3-5 and 7</u> is/are withdrawn from consideration. 5) Claim(s) is/are allowed.						
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election requirement.						
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ted or b) objected to by the E	Examiner.					
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4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa	ite					
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DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of species chitosan trisaccharide and diethylenetriaminepentaacetic acid in the reply filed on 9/26/06 is acknowledged.

Examiner searched the elected species chitosan trisaccharide and dietylenetriaminepentaacetic acid found them free of art. Examiner extended the search and found art on serum albumin and diethylenetriaminepentaacetic acid.

Claims 1-18 are pending.

Claims 3-5 and 7 are withdrawn from further consideration as being drawn to non-elected species.

Allowable Subject Matter

Claims 6, 8 and 15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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Claims 1, 2, 9-14 and 16-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Hnatowich, et al., Int. J. Appl. Radiat. Isot., 1982, 33, 327-327, in light of information available from website http://www.prospec.co.il/~prospec/cart/catalog/HSA.html#sequence, on human serum albumin.

In the instant application, applicants claim a process of producing an amide bond that comprises of reacting a compound having an amino group with a polyaminopolycarboxylic acid anhydride in the presence of the polyaminopolycarboxylic acid.

Hnatowich, et al., teaches such a method of amide formation. The reference teaches the preparation of DTPA coupled albumin. In the process, Hnatowich, et al., uses diethylenetriaminepentaacetic acid (DTPA) anhydride to label the human serum albumin (Abstract and page 328, paragraph bridging columns 1 and 2). As required by the claim 1, the human serum albumin is a molecule with amino group and as evident from the information available on the website http://www.prospec.co.il/~prospec/cart/catalog/HSA.html#sequence, on human serum albumin, the human serum albumin consists of at least 31 glutamic acids and 22 lysine molecules and hence represents the polyaminopolycarboxylic acid molecule. The reaction of the DTPA anhydride with serum albumin results in the formation of an amide bond meeting the limitations of claims 1, 2, 9-11 and 16-18. The reaction was performed in aqueous buffer meeting the limitations of claims 12-14.

Conclusion

No claim is allowed.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Satyanarayana R. Gudibande whose telephone number is 571-272-8146. The examiner can normally be reached on M-F 8-4.30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cecilia Tsang can be reached on 571-272-0562. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Satyanarayana R. Gudibande, Ph.D.

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